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Science Careers

FROM THE JOURNAL SCIENCE **MAAAS**

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IN SEARCH OF EXCELLENCE!

ZIK B CUBE / Technische Universität Dresden

The Centre for Innovation Competence (ZIK) B CUBE – Center for Molecular Bioengineering of the Technische Universität Dresden (www.tu-dresden.de/bcube) is an interdisciplinary research center focusing on research and teaching in the areas of Bioprospecting, BioNano Tools and Biomimetic Materials.

B CUBE and the German Federal Ministry of Education and Research (BMBF) invite applications to fill the following two positions by latest beginning of 2016:

Junior Research Group Leader for Multi-Scale Analysis

Equivalent to Junior (DE) or Assistant (USA) Professorship

The successful candidate will establish an international team of young, talented scientists to develop multi-scale analysis technologies for the investigation of the molecular and structural features of natural and synthetic materials for understanding their functions. The resulting technology will not only yield unique insights into the structure-function relationship of biological and biomimetic materials but also open new opportunities for medical diagnostics. This requires the development of an integral measurement system combining various analytical methods, e.g. spectroscopy, microscopy, rheology, image processing. Applicants should possess a university degree and PhD in biophysics, bioengineering or related fields and demonstrate postdoctoral experience in instrumentation development.

Junior Research Group Leader for Bottom-up Synthetic Biology

Equivalent to Junior (DE) or Assistant (USA) Professorship

The successful candidate will establish an international team of young, talented scientists to work on the self-assembly of responsive biofunctional systems. This preferably includes studies of biological sensor and actuator elements in reconstituted, lipid-based membrane systems. Towards possible applications in the fields of synthetic biology and/or nanotechnology the group will seek to optimize the reconstituted systems with regard to robustness, resilience and autonomy. Applicants should possess a university degree and PhD in biophysics, biochemistry or related fields and demonstrate postdoctoral experience in the in vitro investigation of sub-cellular functional units.

The group leader positions are funded initially for a period of five years with the option for an extension of at least two years. Subject to personal qualification the group leaders are remunerated according to salary group E 15 TV-L. The period of employment is governed by § 2 Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz - WissZeitVG). Both groups will receive funding from the BMBF for five years including start-up equipment, research staff (four full time positions) and consumables. Implementation of the expanded strategy concept of B CUBE is a requirement for both group leaders. Candidates are required to demonstrate a commitment to excellence in both research and teaching. Strong writing skills with a proven track record of successful research and publication is expected. Excellent communication skills in English are essential as this is the working language at the research center.

TU Dresden seeks to employ more women in leadership positions. Hence we should particularly like to encourage qualified women to apply. Applications from disabled candidates or those with additional support needs are welcome.

Applications including a CV, a publication list and a short description of current and future research ideas (maximum 10 pages) as well as three letters of reference should be sent to **both** ZIK B CUBE and the Project Management Jülich (representing the BMBF) until **19.07.2015** by email or regular mail (stamped arrival date applies) to:

TU Dresden B CUBE

Prof. Nils Kröger
Arnoldstrasse 18
01307 Dresden, Germany
E-Mail: zikbcube@tu-dresden.de
(in a single pdf-file)

and Project Management Jülich Forschungszentrum Jülich GmbH

Dr. Christoph Wannek
Postfach 61 02 47
10923 Berlin, Germany
E-Mail: c.wannek@fz-juelich.de



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Please submit copies only, as your application will not be returned to you.

For further information please contact: Prof. Nils Kröger or Ms. Ines Kästner via phone (+49-351-463 43000) or E-Mail (zikbcube@tu-dresden.de)

For further details on the application requirements please see:
<http://www.unternehmen-region.de/de/374.php>